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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/044,422	01/11/2002	Teruhiko Kori	7217/66290	1067

7590

04/04/2005

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EXAMINER

CERVETTI, DAVID GARCIA

ART UNIT

PAPER NUMBER

2136

DATE MAILED: 04/04/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/044,422	KORI, TERUHIKO	
	Examiner	Art Unit	
	David G. Cervetti	2136	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 January 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-17 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 January 2002 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☒ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Drawings

1. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: 13-0 (page 11, line 9). Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.
2. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: 100, 130 (figures 8 and 9). Corrected drawing sheets in compliance with 37 CFR 1.121(d), or amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement

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Sheet” or “New Sheet” pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

3. The disclosure is objected to because of the following informalities: “SXGA” (page 2, line 10), “GTF” (page 2, line 11), “UXGA” (page 2, line 12), “NTSC” (page 9, line 29). While well known in the art, these terms have not been defined.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

5. Claims 1-17 are rejected under 35 U.S.C. 102(a) as being anticipated by Sullivan et al. (US Patent Number: 6,069,647).

Regarding claim 1, Sullivan et al. teach an electronic transmission device, comprising: first and second communication means to be connected to a signal transmission line (column 4, lines 34-47); authentication process means for executing a first authentication process with a first electronic device of a signal transmitting side through at least said first communication means (column 8, lines 53-60); decryption means for decrypting an encrypted signal (column 5, lines 20-27); and processing means for executing an operation process with a signal obtained by decrypting said encrypted signal at said decryption means (column 5, lines 28-35), wherein said authentication process means supplies key information for decrypting said encrypted signal supplied from said first electronic device based on a result of said first authentication process (column 5, lines 4-12); said first communication means supplies said encrypted signal supplied from said first electronic device connected through said signal transmission line to said decryption means and said second communication means (column 4, lines 40-47); and said communication means enables a connected second electronic device of a signal receiving side to transmit said encrypted signal and

said key information and to execute a second authentication process with said second electronic device (column 5, lines 35-44).

Regarding claim 2, Sullivan et al. teach wherein said authentication process means supplies said key information for authentication of said second electronic device and decryption of said encrypted signal from said first electronic device based on said result of said first authentication process (column 8, lines 53-60).

Regarding claim 3, Sullivan et al. teach encryption means for encrypting said decrypted signal in said decryption means (column 5, lines 35-44) and supplying said encrypted signal to said second communication means (figure 2, reference character 120); and signal selection means for selecting one of said encrypted signal from said first communication means and said encrypted signal from said encryption means in said second communication means (column 4, lines 57-65).

Regarding claim 4, Sullivan et al. teach wherein said authentication process means executes said second authentication process with said second electronic device through said second communication means and supplies said key information to said second electronic device for decrypting said signal selected by said signal selection means based on said result of said second authentication process (column 5, lines 27-44, column 9, lines 66-67, column 10, lines 1-5).

Regarding claim 5, Sullivan et al. teach wherein a signal selecting operation of said signal selection means is executed based on a selection signal supplied from said first electronic device through said first communication means (column 4, lines 57-65).

Regarding claim 6, Sullivan et al. teach operation input means for conducting a switching operation of said signal selection means (column 4, lines 57-65).

Regarding claim 7, Sullivan et al. teach a signal transmission method, comprising the steps of: executing a first authentication process with a first electronic device of a signal transmission side connected through a signal transmission line for connecting said first electronic device and a second electronic device (column 8, lines 53-60); executing operation processing by using a signal obtained by decrypting a first encrypted signal supplied from said first electronic device with key information supplied from said first electronic device based on a result of said first authentication process (column 5, lines 28-35); executing a second authentication process with said second electronic device for one of signal reception connected through said signal transmission line and execution of a relay for said second authentication process (column 5, lines 35-44); transmitting said first encrypted signal supplied from said first electronic device (column 4, lines 34-47); and transmitting said key information for decrypting said first encrypted signal based on a result of said second authentication process (column 5, lines 4-12).

Regarding claim 8, Sullivan et al. teach re-encrypting said decrypted signal into a second encrypted signal (column 5, lines 35-44); and transmitting one of said second encrypted signal and said first encrypted signal supplied from said first electronic device by selection (column 4, lines 57-65).

Regarding claim 9, Sullivan et al. teach wherein said key information to be supplied to said second electronic device is key information for decrypting said

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encrypted signal transmitted to said selected second electronic device (column 5, lines 4-12).

Regarding claim 10, Sullivan et al. teach wherein said selection of one of said first encrypted signal and said second encrypted signal supplied from said first electronic device is executed based on a selection signal supplied from said first electronic device (column 4, lines 57-65).

Regarding claim 11, Sullivan et al. teach wherein said selection of one of said first encrypted signal and said second encrypted signal supplied from said first electronic device is executed based on an operation result of operation input means (column 4, lines 57-65).

Regarding claim 12, Sullivan et al. teach an electronic signal transmission device, comprising: first communication means to be connected to a first electronic device of a signal transmitting side (column 4, lines 34-47); second communication means to be connected to a second electronic device of a signal receiving side (column 4, lines 34-47); authentication means for executing a first authentication process with said first electronic device and supplying key information for decryption (column 8, lines 53-60); decryption means for executing a decryption process of an encrypted signal supplied from said first electronic device based on said key information from said first authentication process (column 5, lines 20-35); and supply means for supplying said encrypted signal from said first electronic device and said key information to said second communication means (column 5, lines 35-44).

Regarding claim 13, Sullivan et al. teach wherein said first authentication process means supplies said key information for authentication of said second electronic device and decryption of said encrypted signal from said first electronic device to said second device based on a result of said first authentication process (column 8, lines 53-60).

Regarding claim 14, Sullivan et al. teach encryption means for encrypting said decrypted signal from said decryption means (column 5, lines 35-44) and supplying said encrypted signal to said second electronic device (figure 2, reference character 120); and signal selection means for selecting one of said encrypted signal from said first electronic device and said encrypted signal from said encryption means for supplying to said second electronic device (column 4, lines 57-65).

Regarding claim 15, Sullivan et al. teach wherein said authentication process means executes a second authentication process with said second electronic device through said second communication means and supplies to said second electronic device said key information for decrypting said signal selected by said signal selection means based on a result of said second authentication process (column 5, lines 27-44, column 9, lines 66-67, column 10, lines 1-5).

Regarding claim 16, Sullivan et al. teach wherein said signal selecting operation of said signal selection means is executed based on a selection signal supplied from said first electronic device (column 4, lines 57-65).

Regarding claim 17, Sullivan et al. teach operation input means for conducting a switching operation of said signal selection means (column 4, lines 57-65).

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David G. Cervetti whose telephone number is (571) 272-5861. The examiner can normally be reached on Monday-Friday 8:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz R. Sheikh can be reached on (571)272-3795. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DGC


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